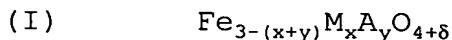


A B S T R A C T

THE USE OF SPINEL FERRITES AS SENSITIVE MATERIAL FOR
BOLOMETRIC INFRARED DETECTOR DEVICES

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The present invention relates to the use as a sensitive material in a thin layer for bolometric detection of infrared radiation, of a material having a spinel ferrite structure of chemical composition, ignoring doping agents if any are present, satisfying empirical formula I:



The invention also provides a bolometric device for detecting infrared radiation or for infrared imaging, and including at least one sensor provided with a sensitive element in the form of a thin layer as defined above.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.